

ICESCAPE Science Team Meeting

Shipping and Logistics



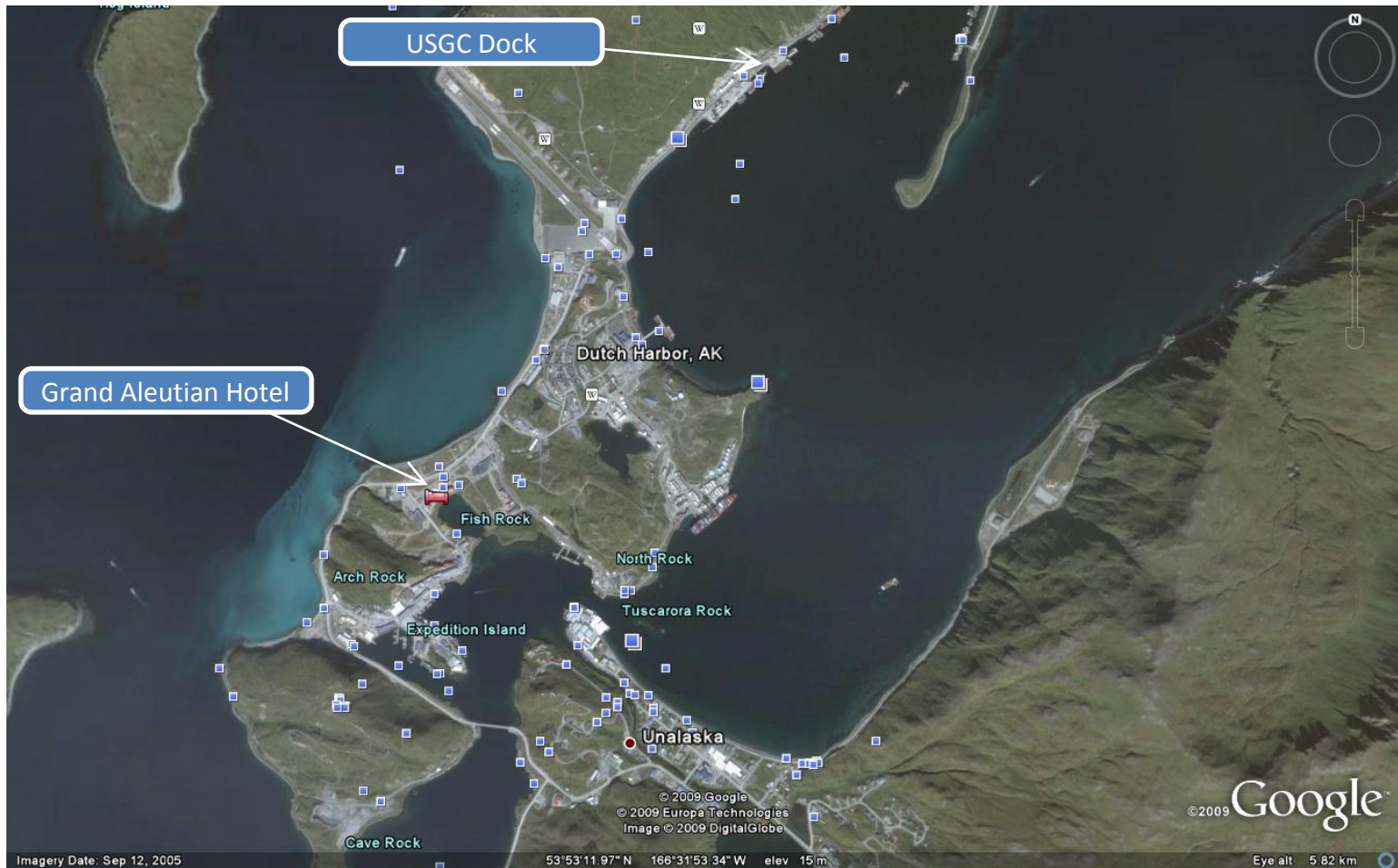
Quincy Allison
Earth Science Project Office
March 8th, 2011



Overview

- Transportation / Lodging (Pre-Cruise/Post Cruise)
- Dutch Harbor Schedule
- Shipping (Pre-Cruise/Post Cruise)
- List Serve
- Website
- Contacts

Dutch Harbor, AK



Transportation Dutch Harbor

- Pen Air Charter Flights on June 22rd

Two 30 passenger Saab 340

1st plane departs Anchorage 17:30

2nd plane departs Anchorage 19:30

3 hour flight

- Commercial from Anchorage
- Alaska Airlines operated by Pen Air have 2-3 daily flights from Anchorage
- Ground transportation
 - ESPO will have 2 fifteen passenger vans to shuttle people

Accommodations in Dutch Harbor

- Grand Aleutian

- Room block for the night of 22nd & 23rd

Anyone needing rooms on other dates contact
Sue Tolley

- You will be required to make your own reservation
 - Sue will send out a request for info on who will need rooms, and provide contact information for reservations

Dutch Harbor Schedule

- Arrive in Dutch on evening of the 22nd
 - Hotel check out 12 noon
- Move to Healy the afternoon of the 23rd
 - Transport people and luggage
- Depart Dutch Harbor the morning of the 25th

General Shipping Requirements

- Healy Shipment Tracker on Icefloe website
 - <http://www.icefloe.net/shipping/index.html>
 - Hazmats require you to upload an MSDS
- Packaging
 - Samples
 - Hazmat Waste
- Markings on each package
 - PI's name
 - "Healy 1101" in Yellow
- Hazmats
 - Original packaging from the vendor
 - Save for return shipments
 - Spill kits

Shipping Pre-Cruise

- Healy Upload May 11th
 - 2 Consolidated trucks to Seattle
 - Radioactive
- NASA Ames equipment must arrive on or before May 4th
 - All hazmats
 - Will provide an email with shipping instructions
- To Dutch Harbor?
 - Contact Quincy

Kodiak, AK



City Pier #2



Transportation: Kodiak

- Individuals must make their own flight arrangements to Anchorage
 - Alaska Airlines has 2 flights a day to Anchorage
1 in the morning and 1 in the afternoon using a 737
 - Era Air, an Alaska Airlines affiliate, also operates 2-3 flights per day using deHavilland Dash-8s.
 - Flight time is approximately 1 hour
- ESPO will have two 15 passenger vans to shuttle people

Shipping from Kodiak


- Equipment will be barged to Seattle in ocean freight containers
 - Two 40 foot and one 20 container for general cargo/hazmat
 - One 40 foot refrigerated container for samples
Temperature -15 F
- Transferred to trucks and forwarded to Ames and SCRIPPS
- Samples
 - Repack and ship via FedEx

List Serve

- Information to entire group
- ESPO will request information
 - Shipping requirements
 - Hazmats
 - Hotel reservations

ICESCAPE Website

<http://www.espo.nasa.gov/icescape/>

**NATIONAL AERONAUTICS
AND SPACE ADMINISTRATION**

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MALINA Cruise, CCGS Amundsen

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ESPO News:
[GloPac UAS:
Starting March 1st,
2010 NASA Global
Hawk will be flying
over the Pacific
Ocean, from the
Arctic to the
Equator for its first
Atmospheric
Chemistry
experiment.](#)


Earth Science Project Office
ICESCAPE Home Page

Impacts of Climate change on the Eco-Systems and Chemistry of the Arctic Pacific Environment (ICESCAPE) is a multi-year NASA shipborne project. The bulk of the research will take place in the Beaufort and Chukchi Sea's in summer/fall of 2010 and spring/summer of 2011.

This is area of particular interest due to the fact that the mean annual air temperature has increased over the last several decades and is expected to continue to do so. The results of higher temperatures are longer summers and diminished sea ice coverage in the Arctic Ocean. Changes in sea ice cover will also increase in the length of the ice melt season and a decrease in ice thickness over the central Arctic Ocean. The result is greater open water area and enhanced shelf-break upwelling.

NASA's Ocean Biology and Biogeochemistry Program, in conjunction with the Cryospheric Sciences Program, is funding this major expedition to improve understanding of this important ecosystem as the extent of open water increases. This will make the region more accessible to remote sensing of a wide range of parameters and requires improved regional algorithms to increase the fidelity of the satellite data with the in situ ground truth. The project will look at several key aspects in region including: growth of phytoplankton, net air-to-sea flux of CO₂, freshwater input, sediment discharge, and change in salinity, chromophoric dissolved organic matter, sea ice cover and primary production.

Satellite observations are difficult in this region due to large solar zenith angles and extensive cloud cover. Creation and validation of remote sensing and modeling products can be created using data collected in situ.



ICESCAPE Logo

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Website Manager: Dan Chiriac

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Website Content

- Science overview
- Mission planning
 - Deployment schedule
- Participant list
 - Description of instruments and type of work
- Logistics
 - Shipping addresses
 - Hotel and transportation information
- Photos
- Blog

Contact Information

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